



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,590,116 Docket: 14565.14US01  
Issue Date: SEPTEMBER 15, 2009 Patentee: QIANG HE  
Title: METHOD FOR FORWARDING MULTICAST MESSAGE IN NETWORK  
COMMUNICATON

CERTIFICATE UNDER 37 CFR 1.8:

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By Carla J. Catalano  
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Commissioner for Patents  
P.O. Box 1450  
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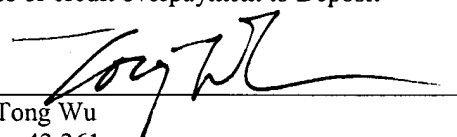
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